

## Release B Integration DAAC and Development Software Baseline

| Function          | Product Name                  | Supported Platforms | Vendor's Revision Level | Comments  |
|-------------------|-------------------------------|---------------------|-------------------------|---|
| Operating System  | Solaris                       | Sun                 | 2.5.1                   |   |
|                   | Sun OS                        | Sun                 | NA                      |   |
|                   | HP-UX                         | HP                  | 10.01                   |   |
|                   | Digital UNIX (formerly OSF/1) | DEC                 | 4.2                     |   |
|                   | IRIX                          | SGI                 | 6.2                     |   |
|                   | AIX                           | IBM                 | 4.1                     |   |
| RDBMS             | Sybase                        | All                 | 11.0                    |   |
|                   | SQL Server                    |                     |                         |   |
|                   | Open Client/C                 |                     |                         |   |
|                   | SQL Monitor                   |                     |                         |   |
|                   | SQR Workbench                 |                     |                         |   |
|                   | IQAccess                      |                     |                         |   |
|                   | Informix Universal Server     | SGI                 | 9.1                     | Data Server will use Sybase in B.0 and may change to IUS in B.1 (tech trade due 3/97)       |
| Development Suite | SPARCworks                    | Sun                 | 3.1                     |   |
|                   | SoftBench C                   | HP                  | 5.0.3                   |   |
|                   | ProDev Workshop               | SGI                 | 2.5.1                   | Previously CaseVision   |
|                   | PowerBench                    | IBM                 | 2.0.2                   | Obsolete; researching replacement   |
| C++ Compilers     | C++ (SPARCCompiler)           | Sun                 | 4.1                     |   |
|                   | C++ (Cpp)                     | HP                  | 10.01                   |   |
|                   | C++ (Cpp)                     | DEC                 | 5.10                    |   |
|                   | C++ (Rational Rose)           | Sun                 | 3.03                    |   |
|                   | KAI C++ Compiler              | SGI                 | 3.06                    |   |
|                   | C ++ (Cpp)                    | SGI                 | 7.0                     |   |
| Gnu C++ Compilers | GNU GCC                       | All                 | 2.6.3 or later          | Needed to compile the MIT Kerberos software for cases that Cygnus Kerb*Net is not available |

## Release B Integration DAAC and Development Software Baseline

| Function                                       | Product Name                          | Supported Platforms | Vendor's Revision Level | Comments                      |
|--|---------------------------------------|---------------------|-------------------------|-------------------------------|
| C Compilers                                    | C (SPARC Compiler)                    | Sun                 | 4.0                     |                               |
|  | C (ANSI & K&R)                        | HP                  | 10.01                   |                               |
|  | C (K&R only)                          | HP                  | 10.01                   |                               |
|  | C compiler                            | DEC                 | 5.2                     |                               |
|  | C                                     | SGI                 | 7.1                     |                               |
|  | C                                     | IBM                 | 3.0                     | 1.3.0.16 current in-house     |
| FORTRAN 77                                     | SPARCompiler FORTRAN                  | Sun                 | 4.0                     |                               |
|  |                                       | SGI                 | 6.2                     |                               |
| FORTRAN 90                                     | from Numerical Algorithms Group (NAG) | Sun                 | (NAG)                   |                               |
|  | from SGI                              | SGI                 | 6.2 (SGI)               |                               |
| FORTRAN Chckr                                  | FORCHECK                              | Sun                 | 11.17                   |                               |
| ADA  | SPARCompiler Ada                      | Sun                 | 2.0                     |                               |
|  |                                       | SGI                 |                         | From SGI/Rational             |
| Multithreaded Debugger                         | iMPact                                | SUN                 | 3.0                     |                               |
|  | DDE debugger                          | HP                  | 4.0                     |                               |
|  | ladebug (dxdecladebug)                | DEC                 | 4.0-7                   |                               |
|  | debugger (cvd)                        | SGI                 | 2.6.2                   | Part of CaseVision workshop   |
|  | n/a                                   | IBM                 | --                      |                               |
| On-Line Documentation Viewer                   | AnswerBook                            | Sun                 | 2.5.1                   |                               |
|  | HP Laserom                            | HP                  | 10.01                   |                               |
|  | Insight                               | SGI                 | 6.2                     |                               |
| Windows Emulation for DOS Applications on UNIX | WABI                                  | Sun                 | 2.0                     |                               |
| Security                                       | Kerberos (Cygnus)                     | All                 | 5b5                     | Binary compatible on Irix 6.2 |
|  | Crack                                 | HP                  | 4.1                     | Public Domain, standalone.    |
|  | Npasswd                               | HP                  | 1.2.4                   | Public Domain, standalone.    |

## Release B Integration DAAC and Development Software Baseline

| Function                                 | Product Name   | Supported Platforms           | Vendor's Revision Level     | Comments  |
|--|--|-------------------------------|-----------------------------|---|
|  | SATAN  | HP                            | 1.1.1                       | Public Domain, standalone.  |
|  | TCP Wrappers   | HP                            | 7.3                         | Public Domain, standalone.  |
|  | Tripwire   | HP                            | 1.2                         | Public Domain, standalone.  |
| GUI Development                          | BuilderXcessory<br>(Integrated Computer Solutions - (ICS)) | Sun<br><br>HP<br>DEC<br>SGI   | 3.5.1                       |   |
|  | GraphPak   | Same                          | 1.2                         |   |
|  | Epak   | Same                          | 2.5                         |   |
| OSF/Motif<br><br>Windows Manager Runtime |  | Sun, IBM,<br>DEC<br>SGI<br>HP | 1.2.4                       |   |
| Common Desktop Environment               | CDE  | Sun                           | 1.0.2                       |   |
| IMAKE                                    |  | Sun                           | Source code<br>version 1.72 |   |
| X Windows Interface                      | X11  | Sun                           | R5                          |   |
| Graphics Visualization Tool              | IDL  | Sun, HP<br>SGI                | 4.0                         |   |
| C++ Class Libraries                      | Rogue Wave Tools.h++                                       | compile<br>source             | 7.0.3                       | (We will be migrating to 7.0.3 very soon, still running at 7.0.2 in the mini-DAAC.) |
|  | Rogue Wave Tools.h++ Pro                                   | compile<br>source             | 7.0.3                       |   |
|  | Rogue Wave DBTools.h++                                     | compile<br>source             | 2.0                         |   |
|  | Rogue Wave Net.h++   | compile<br>source             | 7.0.3                       |   |
|  | Hughes Class Libraries (HCL)                               | Sun, DEC                      |                             |   |

## Release B Integration DAAC and Development Software Baseline

| Function                              | Product Name  | Supported Platforms | Vendor's Revision Level          | Comments   |
|---------------------------------------|---|---------------------|----------------------------------|--|
|                                       | libComponent.a<br>(Douglas Young's Library)               | All                 | 1992                             | A SET Motif/C++ Wrapper classes<br>Placed under configuration<br>management to track modifications by<br>ECS developers. |
|                                       | HDF Libraries (NCSA)                                      | All                 | 4.1                              | NCSA HDF is the official data format of<br>EOS. PGEs write out data in HDF. 4.0r2<br>version in ClearCase.               |
|                                       | IMSL (International Math and<br>Statistics Library)       | All                 | 2.0 (C )<br>3.0<br>(FORTRAN<br>) |  |
| High Fidelity<br>Memory Leak Detector | Purify (from Pure Software)                               | Sun, HP             | 3.2                              |  |
|                                       | Insure++  | DEC, IBM            | 3.01                             |  |
| Code Coverage<br>Analysis             | PureCoverage (from Pure<br>Software)                      | Sun, HP             | 1.2                              |  |
|                                       | Insure++  | SGI, DEC, IBM       | 3.0.1                            |  |
| Code Complexity Checker               | Battlemat Analysis Tool (BAT)<br>from McCabe & Associates | All                 | 5.0                              | Used to generate metrics on code<br>complexity.  |
| Configuration<br>Management           | ClearCase (from Atria)                                    | Most UNIX           | 3.0                              |  |
|                                       | XRP II  | SUN                 | 3.0                              |  |
|                                       | UNIFY Relational Database (for<br>XRP II)                 | SUN                 | UNI5.0.7.2.<br>0                 |  |
|                                       | Physical Network Manager                                  |                     | 3.0                              |  |
| Physical Inventory Manager            | MountainView  |                     |                                  |  |
| Software License Manager              | Flexlm for many; Netls for some.                          |                     | Must be in<br>B                  |  |
| Distributed Defect Tracking System    | DDTS<br>(from Pure Software)                              | Sun<br>HP           | 3.3                              | May be replaced by Remedy  |
| Testing Software                      | XRunner (from Mercury<br>Interactive)                     | SUN                 | 4.01                             |  |
|                                       | LoadRunner  | SUN                 | 4.0                              |  |
| Object Oriented                       |   | HP                  | 1.4                              | HP DCE/9000  |

## Release B Integration DAAC and Development Software Baseline

| Function  | Product Name                          | Supported Platforms | Vendor's Revision Level                | Comments                         |
|---|---------------------------------------|---------------------|--|----------------------------------|
| DCE<br>1.1  | OODCE (from Hewlett Packard)          | Sun                 | 1.4                                    |                                  |
|   |                                       | DEC                 | N/A                                    |                                  |
| DCE Software<br>- App Dev Toolkit<br>- Client software<br>- Server software | from Transarc                         | Sun                 | 1.4                                    | corresponds to OSF rev 1.1       |
|   | from HP                               | HP                  | 1.4                                    | corresponds to OSF rev 1.1       |
|   | from DEC                              | DEC                 | 1.4                                    | corresponds to OSF rev 1.1       |
|   | from SGI                              | SGI                 | 1.4                                    | corresponds to OSF rev 1.1       |
|   | from IBM                              | IBM                 | 1.4                                    | corresponds to OSF rev 1.1       |
| Report writer   | SQR                                   | HP                  | 3.0                                    |                                  |
|   |                                       | Sun                 | 3.0.5                                  |                                  |
|   |                                       | SGI                 | 3.0.8                                  |                                  |
| ER Based Database Modeling Tool   | S-Designor (from PowerSoft)           | PC Windows          | 4.2.0                                  |                                  |
| Search Engine   | TOPIC (Verity)                        | Sun                 | 1.0.3                                  |                                  |
| Hypertext   |                                       |                     |  | Used by Document Data Server     |
| Access Server   | Netscape Enterprise Server (Netscape) | Sun                 | 2.0a                                   |                                  |
| SNMP  | SNMP                                  | All                 | V2                                     |                                  |
| SNMP Agent  | Peer                                  | All                 | 2.2                                    | Extensible SNMP agent kit (code) |
| Help Desk Software  | Remedy                                | HP                  | 2.02                                   |                                  |
| Processing COTS   | AutoSys                               | Sun                 | 3.3                                    |                                  |
|   | AutoSys Xpert                         | Sun, SGI            | 3.3                                    |                                  |
|   | AutoSys Remote Agent                  | Sun, SGI            | 3.3                                    |                                  |
| Document generation   | Microsoft Office                      |                     | MS Word 7.0, Excel 7.0, PowerPoint 7.0 |                                  |
| Editing and Viewing Software  | GhostView                             | Sun                 | 1.5                                    |                                  |
|   | EMACS                                 | All                 | 19.28.1                                |                                  |

## Release B Integration DAAC and Development Software Baseline

| Function                    | Product Name   | Supported Platforms | Vendor's Revision Level | Comments                             |
|-----------------------------|--|---------------------|-------------------------|--------------------------------------|
|                             | Adobe Acrobat  | Sun                 | 1.0                     |                                      |
|                             | Xedit  | All                 | 1.0                     |                                      |
| Internet Browsers           | Netscape   |                     | 2.02                    |                                      |
|                             | NCSA Mosaic  |                     | 2.7                     | Obsolete, replaced with Netscape.    |
| Network Management          | HP OpenView  | HP                  | 4.1                     |                                      |
| Framework                   | Tivoli   | HP                  | 3.0                     |                                      |
| Database Administration     | ESSM   | HP                  | 2.6                     |                                      |
|                             |  | Sun                 | 2.6                     |                                      |
| HIPPI SW                    | BDS  | SGI                 | 6.2                     |                                      |
| HIPPI Management            |  | SGI                 |                         |                                      |
| Network Backup              | Legato Networker   | All                 | 4.2                     |                                      |
| Software Analysis Tool      | Discover   |                     |                         |                                      |
| Reverse Engineering Tool    | Rational Rose C++  | HP                  | 3.03                    |                                      |
| Documentation Tool          | Rational Soda  | Sun                 | 1.4.2                   |                                      |
| Object Oriented Design Tool | Software Through Pictures/Object Modeling Technique (StP/OMT)<br>-(from Interactive Development Environments (IDE))<br>StP/OMT Product Sets: |                     |                         |                                      |
|                             | StP Core<br>Query & Reporting<br>Object Management<br>Administration<br>RDBMS  |                     | 1.3                     | 2.2 is under investigation by Rel B. |
|                             | OMT  |                     | 2.0.0.1                 |                                      |
|                             | Class Capture (for reverse engineering)  |                     | 2.0                     |                                      |

## Release B Integration DAAC and Development Software Baseline

| Function                          | Product Name   | Supported Platforms | Vendor's Revision Level | Comments   |
|-----------------------------------|--|---------------------|-------------------------|--|
| Requirements Tracing              | Requirements and Traceability Management (RTM)<br>- (from Marconi) |                     | 2.3.3                   |  |
| Report Generation                 | Intelligent Query (IQ)   | Sun                 | 5.1.00                  |  |
| Mail software                     | Zmail  | All                 | 3.2.0                   |  |
| Bulletin Board                    | NN Bulletin Board client   | All                 |                         | Freeware now; likely to turn into Netscape Enterprise Server |
|                                   | INN  | Sun                 |                         | Freeware now; likely to turn into Netscape Enterprise Server |
| Billing & Accounting              | SmartStream  | SUN                 | 4.1                     | (Currently running 4.0)                                      |
|                                   | Team Ware  | Sun                 | 1.0.4                   | Sybase tool  |
| Statistical Analysis SW           | STATIT   | HP                  | 4.2.5                   |  |
|                                   | PERL   | All                 | 5.003                   |  |
| File System                       | NFS, DFS, and NIS  | All                 |                         |  |
| Software Distribution Tool        |  |                     |                         | May be provided by Tivoli or Encina                          |
| Training Management Software      |  |                     |                         |  |
| Encina                            |  |                     |                         |  |
| AutoCAD                           |  |                     |                         |  |
| Optical Storage Management System | AML SW from EMASS  | SGI                 |                         |  |
| File Storage Management System    | AMASS  | All                 | 4.7.1                   |  |